

PSI, Villigen
March, 2009

**MINUTES "BESCHLUSSKONFERENZ"
OF THE USERS MEETING BV 40 AT PSI
February 18 - 19, 2009**

present: Prof. J. Mesot (Chairman)
Prof. K. Clausen
Dr. E. Morenzoni
Dr. C. Petitjean (Secretary)
Dr. R. Rosenfelder
Dr. M. Seidel

excused: Dr. A. Denner
Dr. C. Hoffman
Dr. R. Horisberger
Prof. H. Keller
Dr. L. Rivkin

1. Approval of Experiments

The recommendations of the BVR research committee and the μ SR research committee are acknowledged (see minutes).

New Proposals

- R-07-01.1 A Precision Measurement of the Neutron Lifetime in a Trap with Superconducting Magnets
R. Picker, *TU München*
Technical addendum requested. See recommendation in the minutes of the BVR committee.
- R-09-01.1 Muon Effects and Development of X-ray gated Muon Spin Relaxation
A. Jason, *LANL*
Rejected, based on the BVR committee recommendations
- 20081215 Spin dynamics in the two-dimensional antiferromagnets NiGa_2S_4 and FeGa_2S_4
Pierre Dalmas de Réotier, *CEA, Grenoble*
Approved, 2 days LTF
- 20081460 Spin dynamics in the two-dimensional antiferromagnets NiGa_2S_4 and FeGa_2S_4
Pierre Dalmas de Réotier, *CEA, Grenoble*
Approved, 2 days GPS
- 20081229 Pre-martensitic phenomena of thermoelastic martensitic transformation of NiTi alloys studied by muon
Mototsugu Mihara, *Univ. Osaka*
Refused, 0 days GPS
- 20081373 Itinerant Ferromagnetism in Cobalt-based Layered Oxypnictides, MFeAsO (M = La, Y, Nd, Pr)?
Martin Mansson, *ETH Zuerich & PSI*
Approved, 4 days Dolly;
- 20081374 Incommensurate magnetic order of $\text{La}_{5/3}\text{Sr}_{1/3}\text{CoO}_4$
Paul G Freeman, *Inst. Laue-Langevin*
Approved, 2 days Dolly
- 20081375 On the origin of a Griffiths Phase in RCo_2
Julia Herrero-Albillos, *Univ. de Zaragoza*
Approved, 2 days GPS
- 20081380 Low energy muon studies of magnetic semiconductors: spintronics via μ SR
Vyatcheslav G. Storchak, *Russian Research Center RRC Kurchatov Inst.*
Approved, 7 days LEM

- 20081381 Direct study of proximity effects in underdoped and overdoped layers of LSCO bi- and trilayers.
LEM-2008-7
Elvezio Morenzoni; *PSI*
Approved, 8 days LEM
- 20081382 Spin Freezing in underdoped HTS's
LEM-2006-10
Andreas Suter, *PSI*
Approved, 4 days LEM
- 20081384 Electronic phase separation in the iron pnictide superconductor $\text{Ba}_{(1-x)}\text{K}_{(x)}\text{Fe}_{(2)}\text{As}_{(2)}$
Dmytro Inosov, *Max-Planck-Inst. Stuttgart*
Approved, 3 days GPS
- 20081385 Superconductivity and magnetism in nominally non-superconducting $\text{La}_{2-x}\text{Sr}_x\text{Cu}_4$ superlattices
LEM-2008-03
Andreas Suter, *PSI*
Approved, 5 days LEM
- 20081387 Spin freezing and dynamics in the Ising chain system $\text{Ca}_3\text{Co}_{2-x}\text{Mn}_x\text{O}_6$
Tom Lancaster, *Univ. of Oxford*
Approved, 2 days Dolly
- 20081390 Study of the magnetic ground states in $\text{Mn}_{(1-x)}\text{Co}_x\text{Si}$
Giannini, *Univ. Genève*
Approved, 3 days GPS
- 20081421 Study of the magnetic ground states in $\text{Mn}_{(1-x)}\text{Co}_x\text{Si}$
Enrico Giannini, *Univ. Genève*
Approved, 2 days LTF
- 2008139 Study of giant proximity effect and critical opalescence in magnetic material
Silvia Ramos, *Diamond Light Source Ltd*
Approved, 5 days LEM
- 20081392 Surface dynamics of a polyisoprene thin film
Francis L Pratt, *Rutherford Appleton Lab.*
Approved, 5 days; LEM
- 20081423 Surface dynamics of a polyisoprene thin film
Francis L Pratt, *Rutherford Appleton Lab.*
Approved; 1 day Dolly
- 20081394 Pressure effects on hydrogenated CeNiSn
Calin Rusu, *Babes-Bolyai Univ.*
Approved, 1 day Dolly

- 20081395 Microscopic Investigations of a Metal-Superconductor Proximity Bilayer
LEM-2006-03
Elvezio Morenzoni, *PSI*
Approved, 7 days LEM
- 20081396 Multi antiferromagnetic transitions in metallic zigzag chain compounds
under pressure
Jun Sugiyama, *Toyota Central r&D Labs., Inc.*
Approved, 6 days GPD
- 20081451 Multi antiferromagnetic transitions in metallic zigzag chain compounds
under pressure
Jun Sugiyama, *Toyota Central r&D Labs., Inc.*
Approved, 2 days Dolly
- 20081397 muSR study of Magnetic Order & Transitions in Layered Chromates
Martin Mansson, *ETH Zuerich & PSI*
Approved, 4 days Dolly
- 20081399 Hydrogen impurity states in insulators and semiconductors at keV
implantation energies
LEM-2006-05
Thomas Prokscha, *PSI*
Approved, 5 days LEM
- 20081400 Magnetic and spin dynamical properties of multiferroic Cr-thiospinels
Alexander Krimmel, *Univ. Augsburg*
Approved, 2 days Dolly
- 20081401 Ferromagnetism in dilute magnetic semiconductors, digital alloys and
heterostructures: spintronics via muSR
Dmitry Eshchenko, *PSI*
Refused, 0 days LEM
- 20081402 Interaction of muonium states in semiconductors with photo induced charge
carriers
LEM-2008-01
Thomas Prokscha, *PSI*
Approved, 8 days LEM
- 20081403 Magnetism and Superconductivity in Cuprate Heterostructures
(LEM-2006-09)
Bastian M. Wojek, *Univ. Zuerich*
Approved, 8 days LEM
- 20081406 muSR measurements of novel transition metal oxides:
magnetoelectricity and small moment magnetism
Peter J Baker, *Univ. of Oxford*
Approved, 2 days GPS

- 20081410 Magnetic order in the weakly coupled quantum Spin 1/2 chains with bond disorder
Tao Hong, *Oak Ridge National Lab.*
Approved, 2 days LTF
- 20081411 MuSR investigation of Mott transition in $\text{Sm}_{2-x}\text{Tb}_x\text{Mo}_2\text{O}_7$
Giacomo Prando, *Univ. degli Studi di Pavia*
Approved, 3 days LTF
- 20081442 MuSR investigation of Mott transition in $\text{Sm}_{2-x}\text{Tb}_x\text{Mo}_2\text{O}_7$
Giacomo Prando, *Univ. degli Studi di Pavia*
Approved, 3 days GPS
- 20081413 Investigation of magnetism in optimally irradiated HOPG
Toni Shiroka, *PSI*
Approved, 1 day GPS
- 20081414 Magnetic order in carbon irradiated HOPG
Toni Shiroka, *PSI*
Approved, 3 days LEM
- 20081415 Superfluid stiffness in XFeAs ($\text{X}=\text{Li,Na}$) and related phases
Stephen J Blundell, *Univ. of Oxford*
Approved, 3 days GPS
- 20081417 Coexistence of magnetism and superconductivity in FeAs-based superconductors
Stephen J Blundell, *Univ. of Oxford*
Approved, 2 days GPS
- 20081418 Relating neutron data to MUSR data on the same NdOFeAs sample - static disordered antiferromagnetic dimers in an oxypnictide superconductor parent compound?
Mark A de Vries, *Univ. St. Andrews*
Approved, 1 day GPS
- 20081419 μSR study on the inhomogeneity of superconductivity in the overdoped regime of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$
Tadashi Adachi, *Univ. Tohoku*
Approved, 4 days GPS
- 20081425 Two-dimensional magnetism in $\text{Sr}_{1-x}\text{La}_x\text{CuO}_2$ epitaxial thin films probed by muon-spin study.
Luc Fruchter, *Univ. Paris XI*
Approved, 4 days LEM
- 20081426 Paramagnetic muonium as an electron spin detector in semiconductor heterostructures
Sarah R Dunsiger, *Technische Univ. Muenchen*
Approved; 4 days LEM

- 20081430 Flux motion in the meander
Amit Keren, *The Israel Inst. of Technology – Technion*
Approved; 5 days LEM
- 20081431 Magnetic properties of orbitally ordered Cu²⁺ perovskite-type fluorides
Denis Arcon, *Jozef Stefan Inst.*
Approved, 2 days GPS
- 20081433 Pressure effect on superconductivity and magnetism of FeSe superconductor
Rustem Khasanov, *PSI*
Approved, 12 days GPD
- 20081482 Pressure effect on superconductivity and magnetism of FeSe superconductor
Rustem Khasanov, *PSI*
Approved, 2 days Dolly
- 20081434 Investigation of Spin-Lattice Cooperative Phenomena in RbCoBr₃
Takayuki Kawamata, *RIKEN*
Approved, 5 days Dolly
- 20081435 Initial Low-Energy Muon Investigation of High-quality, High-T_c Superconducting Films/Multilayers
Martin Mansson, *ETH Zuerich & PSI*
Approved; 4 days LEM
- 20081436 Effect of Dimensionality on the Spin Dynamics of Geometrically Frustrated Magnetic Systems
Sarah R Dunsiger, *Technische Univ. Muenchen*
Approved, 5 days LEM
- 20081437 Substitutions effects on FeSe Superconductor
Rustem Khasanov, *PSI*
Approved, 4 days GPS
- 20081438 Interplay between low temperature magnetic order and superconductivity in La_{1-y}Y_yFeAsO_{1-x}F_x, La_{1-y}Y_yFe_{1-x}Co_xAs, as a function of doping and chemical pressure
Roberto De Renzi, *Univ. Parma*
Approved, 6 days GPS
- 20081440 Absolute Value of the Magnetic Penetration Depth and Magnetic Field Profile in the Meissner State of Cuprate Superconductors
Robert F Kiefl, *Univ. British Columbia*
Approved, 9 days LEM
- 20081441 Interplay between magnetism and superconductivity in the oxypnictides
Ferenc Muranyi, *Univ. Zuerich*
Approved, 3 days GPS

- 20081443 Measurement of oxygen disorder and magnetic enhancement in phase separate super-oxygenated La_2CuO_4
Samuel B Emery, *Univ. Connecticut*
Approved, 1 day GPS
- 20081444 Spin dynamics in TbPc_2 single ion magnet compounds
Michael J Graf, *Boston College*
Approved, 3 days GPS
- 20081446 Spin dynamics in TbPc_2 single ion magnet compounds
Michael J Graf, *Boston College*
Approved, 3 days LTF
- 20081445 Muonium in widegap oxides
Rui C Vilao, *Univ. of Coimbra*
Approved, 2 days GPS
- 20081447 Zero field μSR and penetration depth in the unconventional heavy fermion superconductor $\beta\text{-YbAlB}_4$
Andrea D Bianchi, *Univ. de Montreal*
Approved, 2 days LTF
- 20081448 Nonlocal electrodynamic effect in extreme low- κ superconductors and local-nonlocal crossover in the penetration field profile.
Vladimir Kozhevnikov, *Katholieke Univ. Leuven*
Approved, 4 days LEM
- 20081450 Low-energy muon spin rotation study of the heterostructured LaNiO_3 ultrathin films
Alexander V Boris, *Max-Planck-Inst. Stuttgart*
Approved, 5 days LEM
- 20081452 Pressure effect on the phase diagram of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$
Rustem Khasanov, *PSI*
Approved, 8 days GPD
- 20081484 Pressure effect on the phase diagram of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$
Rustem Khasanov, *PSI*
Approved, 3 days Dolly
- 20081454 μSR studies of Fe-doped MnSi at high pressure
Yasutomo J Uemura, *Columbia Univ.*
Approved, 8 days GPD
- 20081455 Possible existence of a second gap in CaC_6
Ferenc Muranyi, *Univ. Zuerich*
Approved, 2 days GPS
- 20081457 Possible existence of a second gap in CaC_6
Ferenc Muranyi, *Univ. Zuerich*
Approved, 3 days LTF

- 20081456 Study of the multigap superconductivity and the magnetic penetration depth anisotropy in single crystals of the Fe-based superconductors
Rustem Khasanov, *PSI*
Approved. 4 days GPS
- 20081458 Impurity effects on the dynamical stripe correlations and superconductivity in $\text{La}_{2-x}\text{Sr}_x\text{Cu}_{1-y}(\text{Zn},\text{Ni})_y\text{O}_4$
Yoji Koike, *Univ. Tohoku*
Approved, 3 days Dolly
- 20081462 Spin coherent transport in organic materials: the effect of interfaces
Alan J Drew, *Queen Mary and Westfield College*
Approved, 7 days LEM
- 20081463 Possible octupolar ordering in DyB_6
Takashi U. Ito, *Japan Atomic Energy Agency*
Approved, 2 days GPS
- 20081464 Interplay between μ^+ and ^{141}Pr in PrX_3 (X=Pb,Sn,In)
Takashi U. Ito, *Japan Atomic Energy Agency*
Approved, 2 days; GPS
- 20081465 Complex magnetism in the Ce substituted $\text{RuSr}_2\text{GdCu}_2\text{O}_8$ ruthenocuprates.
Piotr W Klamut, *Polish Academy of Sciences*
Approved, 3 days Dolly
- 20081466 Measurement of the spin dynamics and frustration effects in molecular triangles
Zaher Salman, *PSI*
Approved, 4 days Dolly
- 20081467 Interaction of Superconductivity with Magnetic Films of Perpendicular Anisotropy
Stephen L Lee, *Univ. St-Andrews*
Approved, 5 days LEM
- 20081468 Low-energy μSR study of the origin of room-temperature ferromagnetism of undoped ZnO
Eberhard J Goering, *Max-Planck-Inst. Stuttgart*
Approved, 3 days LEM
- 20081469; μSR studies of the pressure-induced superconducting state of CeRhSi_3
Jorge L Gavilano, *PSI*
Approved, 10 days GPD
- 20081490; μSR studies of the pressure-induced superconducting state of CeRhSi_3
Jorge L Gavilano, *PSI*
Approved, 1 day LTF

- 20081470 Pressure effect on magnetic penetration depth in the cuprate superconductor $\text{YBa}_2\text{Cu}_3\text{O}_x$
Alexander Maisuradze, *PSI*
Approved, 8 days GPD
- 20081475 Pressure effect on magnetic penetration depth in the cuprate superconductor $\text{YBa}_2\text{Cu}_3\text{O}_x$
Alexander Maisuradze, *PSI*
Approved, 1day GPS
- 20081471 Muon-spin-rotation measurements on geometrically frustrated quasi-one-dimensional spin-chain compounds $\text{Ca}_3\text{Co}_{2-x}\text{Fe}_x\text{O}_6$ ($x = 0, 0.1$);

Anil Jain, *Bhabha Atomic Research Centre BARC*
Refused, 0 days GPS
- 20081474 mu SR investigation of heavy fermion $\text{CeCoGe}_{3-x}\text{Si}_x$ around the pressure tuned quantum phase transition
Julio Antonio Larrea Jimenez, *EPF Lausanne*
Approved, 2 days GPS
- 20081476 mu SR investigation of heavy fermion $\text{CeCoGe}_{3-x}\text{Si}_x$ around the pressure tuned quantum phase transition
Julio Antonio Larrea Jimenez, *EPF Lausanne*
Refused, 0 days Dolly
- 20081477 Study of $\text{BaPt}_{4-x}\text{Au}_x\text{Ge}_{12}$ skutterudite superconductors
Alexander Maisuradze, *PSI*
Approved, 2 days GPS
- 20081480 Study of $\text{BaPt}_{4-x}\text{Au}_x\text{Ge}_{12}$ skutterudite superconductors
Alexander Maisuradze, *PSI*
Approved, 2 days LTF
- 20081481 A mSR study on weak itinerant electron ferromagnet Ni_3Al
Jun Sugiyama, *Toyota Central r&D Labs., Inc.*
Approved, 3 days Dolly
- 20081483 A mSR study on weak itinerant electron ferromagnet Ni_3Al
Jun Sugiyama, *Toyota Central r&D Labs., Inc.*
Approved, 4 days GPD
- 20081485 Competition Between Broken Symmetry Ground States Near a Quantum Critical Point
Johannes Spehling, *Technische Univ. Dresden*
Approved, 2 days LTF
- 20081504 Competition Between Broken Symmetry Ground States Near a Quantum Critical Point
Johannes Spehling, *Technische Univ. Dresden*
Approved, 1day GPS

- 20081487 Measurement of the Magnetic Properties of a Mono-Layer of Single Molecule Magnets (LEM-07-05)
Zaher Salman, *PSI*
Approved, 8 days LEM
- 20081488 Nature of the magnetic transition in optimally doped $\text{La}_{5/8}(\text{Ca}_y\text{Sr}_{1-y})_{3/8}\text{MnO}_3$ manganites.
Giuseppe Allodi, *Univ. Parma*
Approved, 3 days GPS
- 20081491 Frustrated quantum magnetism: beyond the Herbertsmithite case
Fabrice Bert, *Univ. Paris-Sud*
Approved, 3 days GPS
- 20081494 Frustrated quantum magnetism: beyond the Herbertsmithite case
Fabrice Bert, *Univ. Paris-Sud*
Approved, 3 days LTF
- 20081495 Magnetic Properties of Ferromagnetic Carbon Nanotube Forests
Hans-Henning Klauss, *Techn. Univ. Dresden*
Approved, 4 days LEM

2. Beam schedules

The 590 MeV ring accelerator is scheduled for 36 weeks of high intensity beam production from April 17 to December 23, 2009 (see research schedule in the appendix). In accordance with the new BAG license, the primary beam intensity will be raised to regular productions of 2.2 mA, with some peak intensity shifts of 2.4 mA. Stable operation shall always have priority over maximal currents. The basic beam structure of three-week cycles (18 days of continuous beam production, interrupted by ~ 3 days of maintenance, beam development and accelerator training) will be maintained, see <http://abe.web.psi.ch/schedule/yearplan2009.php>.

As usual, the beam schedules 2009 will be regularly updated and is displayed on the internet:
- http://ltp.web.psi.ch/accelerator_and_beams/schedule.pdf for the general schedule
- <http://lmu.web.psi.ch/facilities/schedules.html> for μSR details

3. Varia

The next meeting BV 41 is scheduled for February 17 - 19, 2010. The first day is reserved for reviews of $\mu\text{e}\gamma$ and UCN. The **deadline** for beam requests, new proposals and addenda in particle physics is **January 18, 2010**. Users are requested to make electronic submissions of their documents (PDF Files).

The dates for the next meeting BVRA-2010, are not settled yet.

Attachments

- PSI 590 MeV Program April 17 – December 23, 2009
- BV40 list of PSI HE experiments
- BVRA-2009 list of PSI μSR experiments
- the short minutes with recommendations of the scientific committee can be found on the internet: http://ltp.web.psi.ch/user_information/user_meeting.htm

23.02.09

PSI 590 MeV Program April – December 2009

Number of week	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51			
Cycle dates	17.04. - 27.04.		30.04. - 18.05.			21.05. - 08.06.			11.06. - 29.06.			02.07. - 20.07.			23.07. - 10.08.			13.08. - 31.08.			03.09. - 21.09.			24.09. - 12.10.			15.10. - 02.11.			05.11. - 23.11.			26.11. - 23.12.						
Area	Proposal	Spokesman	KTR	Experiment																																			
μM1	Deiters/Reiker	114100	Tests																																				
	R-99-06	Kirkby/Deiters	114150	Fast μ- lifet.	[Red blocks from week 16 to 51]																																		
	Grab	710000	ETH Praktikum																																				
RA-Progr.	Amato (coord)	716100	μSR (GPS & LTF)	[Green blocks from week 16 to 51]																																			
μE1	R-05-01	Pocanic	114192	π ⁻ ev	[Red blocks from week 32 to 51]																																		
				Test																																			
	RA-Progr.	Amato (coord)	735100	μSR (DOLLY)	[Green blocks from week 16 to 31]																																		
μE3	RA-progr.	Scheuermann (d)	735100	μSR (ALC)	[Blue block: test Spinrotator]										[Blue block: set up]										[Blue block: high field detector tests]														
	R-97-05	Kammel, Petljica	114157	Musun																																			
		Kammel, Hertzog		Test MuZe	[Blue block: from week 27 to 31]																																		
μE5	R-98-03	Kottmann, Pohl	114193	Lambshift in μH	[Red block: test]																																		
	R-99-05	Mori, Baldini	119100	μp ⁺ tests	[Red block: from week 29 to 51]																																		
	Separator																																						
μE1	RA-Progr.	RA-program	735100	μSR (GPD)	[Green blocks from week 16 to 51]																																		
μE4	RA-Progr.	Morenzoni	735200	slow μ ⁺ exp.(LEM)	[Green blocks from week 16 to 51]																																		

- proposed official beamtimes particle physics
- proposed official beamtimes μSR
- unoffical beamtimes

BV40 LIST OF PSI π/μ EXPERIMENTS: BEAM REQUESTS AND ALLOCATIONS 2009

AREA	PROPOSAL	SPOKESPERSONS	EXPERIMENT	BEAM STATUS (1 Week = 5 real days)			BEAM ALLOCATIONS 2007					
				Used	Allocation	Ref.	Request	Remarks	Allocation			
π M1	R-99-06	KIRKBY, DEITERS	μ^+ lifetime with FAST	135	W(T)	appr.	BV30	33	W	33	W	
	Praktikum	GRAB	Praktikum Particle Physics ETH			appr.		3	W	15.06 - 26.06.09	3	W
π M3	RA-Props.	(, Coord.)	MOPENZONI			(see BVRA)		25	W (GPS + LTF)	1st round	25	W*
π E1	RA-Props.	(MORENZONI, Coord.)	μ SR with DOLLY			(see BVRA)		17	W	April - Aug.	17	W
	R-05-01	POCANIC	$\pi^+ \rightarrow e^+ \nu$	44	W	-	BV37	19	W	Aug. - Dec.	19	W
π E3 □	R-08-01	KAMMEL et al.	μ d capture (MuSun)	6	W(T)	appr.	BV39	0	W		0	W
	Test	KAMMEL, HERTZOG	test mu2e					3.5	W	July 8 - Aug.3	3.5	W
	RA-Props.	(MORENZONI, Coord.)	μ SR (ALC)			(see BVRA)		10	W		26	W
π E5	R-98-03	KOTTMANN, POHL	Lamb-shift in μ H	30	W	appr.	BV36	12	W	April - July	12	W
	R-99-05	MORI	$\mu \rightarrow e + \gamma$	130	W(T)	appr.	BV29	23	W	July.-Dec.	23	W
μ E1	RA-Props.	(MORENZONI, Coord.)	μ SR (GPD)			(see BVRA)		25	W	1st round	25	W*
μ E4	slow μ^+	(MORENZONI, Coord.)	LEM slow μ^+ facility			(see BVRA)		67	W		36	W

* last 11 μ SR weeks will be allocated in a second round

MuSR Proposals -- Round 1/2009

PROP. ID	PROPOSER	Institute	Title	DAYS REQ.	INSTR.	DAYS ALLOC.	Status
NEW Proposals							
20081215	Pierre Dalmas de Réotier	CEA, Grenoble	Spin dynamics in the two-dimensional antiferromagnets NiGa_2S_4 and FeGa_2S_4	6	LTF	2	Approved
20081460	Pierre Dalmas de Réotier	CEA, Grenoble	Spin dynamics in the two-dimensional antiferromagnets NiGa_2S_4 and FeGa_2S_4	3	GPS	2	Approved
20081229	Mototsugu Mihara	Univ. Osaka	Pre-martensitic phenomena of thermoelastic martensitic transformation of NiTi alloys studied by muon	5	GPS	0	Refused
20081373	Martin Mansson	ETH Zuerich & PSI	Itinerant Ferromagnetism in Cobalt-based Layered Oxyprictides, MFeAsO (M = La, Y, Nd, Pr)?	6	Dolly	4	Approved
20081374	Paul G Freeman	Inst. Laue-Langevin	Incommensurate magnetic order of $\text{La}_{5/3}\text{Sr}_{1/3}\text{CoO}_4$	4	Dolly	2	Approved
20081375	Julia Herrero-Albillos	Univ. de Zaragoza	On the origin of a Griffiths Phase in RCO_2	3	GPS	2	Approved
20081380	Vyatcheslav G. Storchak	Russian Research Center RRC Kurchatov Inst.	Low energy muon studies of magnetic semiconductors: spintronics via muSR	14	LEM	7	Approved
20081381	Elvezio Morenzoni	PSI	Direct study of proximity effects in underdoped and overdoped layers of LSCO bi- and trilayers. LEM-2008-7	14	LEM	8	Approved
20081382	Andreas Suter	PSI	Spin Freezing in underdoped HTS's LEM-2006-10	5	LEM	4	Approved
20081384	Dmytro Inosov	Max-Planck-Inst. Stuttgart	Electronic phase separation in the iron pnictide superconductor $\text{Ba}_{(1-x)}\text{K}_x\text{Fe}_2\text{As}_2$	5	GPS	3	Approved
20081385	Andreas Suter	PSI	Superconductivity and magnetism in nominally non-superconducting $\text{La}_{2-x}\text{Sr}_x\text{Cu}_4$ superlattices LEM-2008-03	5	LEM	5	Approved
20081387	Tom Lancaster	Univ. of Oxford	Spin freezing and dynamics in the Ising chain system $\text{Ca}_3\text{Co}_{2-x}\text{Mn}_x\text{O}_6$	3	Dolly	2	Approved
20081390	Enrico Giannini	Univ. Genève	Study of the magnetic ground states in $\text{Mn}_{(1-x)}\text{Co}_x\text{Si}$	5	GPS	3	Approved

BVRA-2009 list of PSI μ SR Experiments

PROP. ID	PROPOSER	Institute	Title	DAYS REQ.	INSTR.	DAYS ALLOC.	Status
NEW Proposals							
20081421	Enrico Giannini	Univ. Genève	Study of the magnetic ground states in $Mn_{(1-x)}Co_xSi$	2	LTF	2	Approved
20081391	Silvia Ramos	Diamond Light Source Ltd	Study of giant proximity effect and critical opalescence in magnetic materials	6	LEM	5	Approved
20081392	Francis L Pratt	Rutherford Appleton Lab.	Surface dynamics of a polyisoprene thin film	6	LEM	5	Approved
20081423	Francis L Pratt	Rutherford Appleton Lab.	Surface dynamics of a polyisoprene thin film	1	Dolly	1	Approved
20081394	Calin Rusu	Babes-Bolyai Univ.	Pressure effects on hydrogenated CeNiSn	4	Dolly	1	Approved
20081395	Elvezio Morenzoni	PSI	Microscopic Investigations of a Metal-Superconductor Proximity Bilayer LEM-2006-03	14	LEM	7	Approved
20081396	Jun Sugiyama	Toyota Central r&D Labs., Inc.	Multi antiferromagnetic transitions in metallic zigzag chain compounds under pressure	6	GPD	6	Approved
20081451	Jun Sugiyama	Toyota Central r&D Labs., Inc.	Multi antiferromagnetic transitions in metallic zigzag chain compounds under pressure	2	Dolly	2	Approved
20081397	Martin Mansson	ETH Zuerich & PSI	μ SR study of Magnetic Order & Transitions in Layered Chromates	8	Dolly	4	Approved
20081399	Thomas Prokscha	PSI	Hydrogen impurity states in insulators and semiconductors at keV implantation energies, LEM-2006-05	9	LEM	5	Approved
20081400	Alexander Krimmel	Univ. Augsburg	Magnetic and spin dynamical properties of multiferroic Cr-thiospinels	4	Dolly	2	Approved
20081401	Dmitry Eshchenko	PSI	Ferromagnetism in dilute magnetic semiconductors, digital alloys and heterostructures: spintronics via μ SR	10	LEM	0	Refused

BVRA-2009 list of PSI μ SR Experiments

PROP. ID	PROPOSER	Institute	Title	DAYS REQ.	INSTR.	DAYS ALLOC.	Status
NEW Proposals							
20081402	Thomas Prokscha	PSI	Interaction of muonium states in semiconductors with photo induced charge carriers, LEM-2008-01	10	LEM	8	Approved
20081403	Bastian M. Wojek	Univ. Zuerich	Magnetism and Superconductivity in Cuprate Heterostructures (LEM-2006-09)	12	LEM	8	Approved
20081406	Peter J Baker	Univ. of Oxford	muSR measurements of novel transition metal oxides: magnetoelectricity and small moment magnetism	3	GPS	2	Approved
20081410	Tao Hong	Oak Ridge National Lab.	Magnetic order in the weakly coupled quantum Spin 1/2 chains with bond disorder	4	LTF	2	Approved
20081411	Giacomo Prando	Univ. degli Studi di Pavia	MuSR investigation of Mott transition in $\text{Sm}_{2-x}\text{Tb}_x\text{Mo}_2\text{O}_7$	6	LTF	3	Approved
20081442	Giacomo Prando	Univ. degli Studi di Pavia	MuSR investigation of Mott transition in $\text{Sm}_{2-x}\text{Tb}_x\text{Mo}_2\text{O}_7$	6	GPS	3	Approved
20081413	Toni Shiroka	PSI	Investigation of magnetism in optimally irradiated HOPG	4	GPS	1	Approved
20081414	Toni Shiroka	PSI	Magnetic order in carbon irradiated HOPG	7	LEM	3	Approved
20081415	Stephen J Blundell	Univ. of Oxford	Superfluid stiffness in XFeAs (X=Li,Na) and related phases	3	GPS	3	Approved
20081417	Stephen J Blundell	Univ. of Oxford	Coexistence of magnetism and superconductivity in FeAs-based superconductors	3	GPS	2	Approved
20081418	Mark A de Vries	Univ. St. Andrews	Relating neutron data to MUSR data on the same NdOFeAs sample - static disordered antiferromagnetic dimers in an oxypnictide superconductor parent compound?	2	GPS	1	Approved

BVRA-2009 list of PSI μ SR Experiments

PROP. ID	PROPOSER	Institute	Title	DAYS REQ.	INSTR.	DAYS ALLOC.	Status
NEW Proposals							
20081419	Tadashi Adachi	Univ. Tohoku	μ SR study on the inhomogeneity of superconductivity in the overdoped regime of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$	10	GPS	4	Approved
20081425	Luc Fruchter	Univ. Paris XI	Two-dimensional magnetism in $\text{Sr}_{1-x}\text{La}_x\text{CuO}_2$ epitaxial thin films probed by muon-spin study.	6	LEM	4	Approved
20081426	Sarah R Dunsiger	Technische Univ. Muenchen	PARAMAGNETIC MUONIUM AS AN ELECTRON SPIN DETECTOR IN SEMICONDUCTOR HETEROSTRUCTURES	10	LEM	4	Approved
20081430	Amit Keren	The Israel Inst. of Technology - Technion	Flux motion in the meander	5	LEM	5	Approved
20081431	Denis Arcon	Jozef Stefan Inst.	Magnetic properties of orbitally ordered Cu^{2+} perovskite-type fluorides	4	GPS	2	Approved
20081433	Rustem Khasanov	PSI	Pressure effect on superconductivity and magnetism of FeSe superconductor	14	GPD	12	Approved
20081482	Rustem Khasanov	PSI	Pressure effect on superconductivity and magnetism of FeSe superconductor	2	Dolly	2	Approved
20081434	Takayuki Kawamata	RIKEN	Investigation of Spin-Lattice Cooperative Phenomena in RbCoBr_3	6	Dolly	5	Approved
20081435	Martin Mansson	ETH Zuerich & PSI	Initial Low-Energy Muon Investigation of High-quality, High-Tc Superconducting Films/Multilayers	7	LEM	4	Approved
20081436	Sarah R Dunsiger	Technische Univ. Muenchen	Effect of Dimensionality on the Spin Dynamics of Geometrically Frustrated Magnetic Systems	10	LEM	5	Approved
20081437	Rustem Khasanov	PSI	Substitutions effects on FeSe Superconductor	10	GPS	4	Approved

BVRA-2009 list of PSI μ SR Experiments

PROP. ID	PROPOSER	Institute	Title	DAYS REQ.	INSTR.	DAYS ALLOC.	Status
NEW Proposals							
20081438	Roberto De Renzi	Univ. Parma	Interplay between low temperature magnetic order and superconductivity in $\text{La}_{1-y}\text{Y}_y\text{FeAsO}_{1-x}\text{F}_x$, $\text{La}_{1-y}\text{Y}_y\text{Fe}_{1-x}\text{Co}_x\text{As}$, as a function of doping and chemical pressure	8	GPS	6	Approved
20081440	Robert F Kiefl	Univ. British Columbia	Absolute Value of the Magnetic Penetration Depth and Magnetic Field Profile in the Meissner State of Cuprate Superconductors.	15	LEM	9	Approved
20081441	Ferenc Muranyi	Univ. Zuerich	Interplay between magnetism and superconductivity in the oxyprictides	8	GPS	3	Approved
20081443	Samuel B Emery	Univ. Connecticut	Measurement of oxygen disorder and magnetic enhancement in phase separate super-oxygenated La_2CuO_4	4	GPS	1	Approved
20081444	Michael J Graf	Boston College	Spin dynamics in TbPc_2 single ion magnet compounds	4	GPS	3	Approved
20081446	Michael J Graf	Boston College	Spin dynamics in TbPc_2 single ion magnet compounds	4	LTF	3	Approved
20081445	Rui C Vilao	Univ. of Coimbra	Muonium in widegap oxides	3	GPS	2	Approved
20081447	Andrea D Bianchi	Univ. de Montreal	Zero field μ SR and penetration depth in the unconventional heavy fermion superconductor beta- YbAlB_4	7	LTF	2	Approved
20081448	Vladimir Kozhevnikov	Katholieke Univ. Leuven	Nonlocal electrodynamics effect in extreme low-kappa superconductors and local-nonlocal crossover in the penetration field profile.	10	LEM	4	Approved
20081450	Alexander V Boris	Max-Planck-Inst. Stuttgart	Low-energy muon spin rotation study of the heterostructured LaNiO_3 ultrathin films	7	LEM	5	Approved

BVRA-2009 list of PSI μ SR Experiments

PROP. ID	PROPOSER	Institute	Title	DAYS REQ.	INSTR.	DAYS ALLOC.	Status
NEW Proposals							
20081452	Rustem Khasanov	PSI	Pressure effect on the phase diagram of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$	10	GPD	8	Approved
20081484	Rustem Khasanov	PSI	Pressure effect on the phase diagram of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$	4	Dolly	3	Approved
20081454	Yasutomo J Uemura	Columbia Univ.	MuSR studies of Fe-doped MnSi at high pressure	10	GPD	8	Approved
20081455	Ferenc Muranyi	Univ. Zuerich	Possible existence of a second gap in CaC_6	6	GPS	2	Approved
20081457	Ferenc Muranyi	Univ. Zuerich	Possible existence of a second gap in CaC_6	6	LTF	3	Approved
20081456	Rustem Khasanov	PSI	Study of the multigap superconductivity and the magnetic penetration depth anisotropy in single crystals of the Fe-based superconductors	8	GPS	4	Approved
20081458	Yoji Koike	Univ. Tohoku	Impurity effects on the dynamical stripe correlations and superconductivity in $\text{La}_{2-x}\text{Sr}_x\text{Cu}_{1-y}(\text{Zn},\text{Ni})_y\text{O}_4$	5	Dolly	3	Approved
20081462	Alan J Drew	Queen Mary and Westfield College	Spin coherent transport in organic materials: the effect of interfaces	10	LEM	7	Approved
20081463	Takashi U. Ito	Japan Atomic Energy Agency	Possible octupolar ordering in DyB_6	4	GPS	2	Approved
20081464	Takashi U. Ito	Japan Atomic Energy Agency	Interplay between μ^+ and ^{141}Pr in PrX_3 ($X=\text{Pb},\text{Sn},\text{In}$)	4	GPS	2	Approved
20081465	Piotr W Klamut	Polish Academy of Sciences	Complex magnetism in the Ce substituted $\text{RuSr}_2\text{GdCu}_2\text{O}_8$ ruthenocuprates.	4	Dolly	3	Approved
20081466	Zaher Salman	PSI	Measurement of the spin dynamics and frustration effects in molecular triangles	20	Dolly	4	Approved
20081467	Stephen L Lee	Univ. St-Andrews	Interaction of Superconductivity with Magnetic Films of Perpendicular Anisotropy	7	LEM	5	Approved

BVRA-2009 list of PSI μ SR Experiments

PROP. ID	PROPOSER	Institute	Title	DAYS REQ.	INSTR.	DAYS ALLOC.	Status
NEW Proposals							
20081468	Eberhard J Goering	Max-Planck-Inst. Stuttgart	Low-energy μ SR study of the origin of room-temperature ferromagnetism of undoped ZnO	6	LEM	3	Approved
20081469	Jorge L Gavilano	PSI	μ SR studies of the pressure-induced superconducting state of CeRhSi ₃	14	GPD	10	Approved
20081490	Jorge L Gavilano	PSI	μ SR studies of the pressure-induced superconducting state of CeRhSi ₃	2	LTF	1	Approved
20081470	Alexander Maisuradze	PSI	Pressure effect on magnetic penetration depth in the cuprate superconductor YBa ₂ Cu ₃ O _x	12	GPD	8	Approved
20081475	Alexander Maisuradze	PSi	Pressure effect on magnetic penetration depth in the cuprate superconductor YBa ₂ Cu ₃ O _x	3	GPS	1	Approved
20081471	Anil Jain	Bhabha Atomic Research Centre BARC	Muon-spin-rotation measurements on geometrically frustrated quasi-one-dimensional spin-chain compounds Ca ₃ Co _{2-x} Fe _x O ₆ (x = 0, 0.1)	5	GPS	0	Refused
20081474	Julio Antonio Larrea Jimenez	EPF Lausanne	μ SR investigation of heavy fermion CeCoGe _{3-x} Si _x around the pressure tuned quantum phase transition	10	GPS	2	Approved
20081476	Julio Antonio Larrea Jimenez	EPF Lausanne	μ SR investigation of heavy fermion CeCoGe _{3-x} Si _x around the pressure tuned quantum phase transition	6	Dolly	0	Refused
20081477	Alexander Maisuradze	PSI	Study of BaPt _{4-x} Au _x Ge ₁₂ skutterudite superconductors	5	GPS	2	Approved
20081480	Alexander Maisuradze	PSI	Study of BaPt _{4-x} Au _x Ge ₁₂ skutterudite superconductors	5	LTF	2	Approved
20081481	Jun Sugiyama	Toyota Central r&D Labs., Inc.	A mSR study on weak itinerant electron ferromagnet Ni ₃ Al	5	Dolly	3	Approved
20081483	Jun Sugiyama	Toyota Central r&D Labs., Inc.	A μ mSR study on weak itinerant electron ferromagnet Ni ₃ Al	6	GPD	4	Approved

BVRA-2009 list of PSI μ SR Experiments

PROP. ID	PROPOSER	Institute	Title	DAYS REQ.	INSTR.	DAYS ALLOC.	Status
NEW Proposals							
20081485	Johannes Spehling	Technische Univ. Dresden	Competition Between Broken Symmetry Ground States Near a Quantum Critical Point	4	LTF	2	Approved
20081504	Johannes Spehling	Technische Univ. Dresden	Competition Between Broken Symmetry Ground States Near a Quantum Critical Point	2	GPS	1	Approved
20081487	Zaher Salman	PSI	Measurement of the Magnetic Properties of a Mono-Layer of Single Molecule Magnets (LEM-07-05)	14	LEM	8	Approved
20081488	Giuseppe Allodi	Univ. Parma	Nature of the magnetic transition in optimally doped $\text{La}_{5/8}(\text{Ca}_y\text{Sr}_{1-y})_{3/8}\text{MnO}_3$ manganites.	6	GPS	3	Approved
20081491	Fabrice Bert	Univ. Paris-Sud	Frustrated quantum magnetism: beyond the Herbertsmithite case	4	GPS	3	Approved
20081494	Fabrice Bert	Univ. Paris-Sud	Frustrated quantum magnetism: beyond the Herbertsmithite case	3	LTF	3	Approved
20081495	Hans-Henning Klauss	Techn. Univ. Dresden	Magnetic Properties of Ferromagnetic Carbon Nanotube Forests	12	LEM	4	Approved

BVRA-2009 list of PSI μ SR Experiments

PROP. ID	PROPOSER	Institute	Title	DAYS REQ.	INSTR.	DAYS ALLOC.	Status
Continuations							
20081386	Tom Lancaster	Univ. Oxford	Molecular Magnetism	5	GPS	3	Approved
20081398	Tom Lancaster	Univ. Oxford	Molecular Magnetism	5	LTF	3	Approved
20081388	Takao Suzuki	RIKEN	μ SR study of the localized spin triplets in $Ti_{1-x}K_xCuCl_3$ II	4	LTF	2	Approved
20081404	Christian Bernhard	Univ. Fribourg	Muon-spin-rotation measurements on single crystals of the new pnictide high Tc superconductor $Ba_{1-y}Eu_yFe_{2-x}Co_xAs_2$	10	GPS	7	Approved
20081420	Christian Bernhard	Univ. Fribourg	Muon-spin-rotation measurements on single crystals of the new pnictide high Tc superconductor $Ba_{1-y}Eu_yFe_{2-x}Co_xAs_2$	5	LTF	4	Approved
20081407	Upali A Jayasooriya	Univ. of East Anglia	Rates of molecular transfer across interfacial layers using μ SR	17	ALC	17	Approved
20081408	Upali A Jayasooriya	Univ. of East Anglia	Rates of molecular transfer across interfacial layers using μ SR	11	GPD	9	Approved
20081412	Takayuki Goto	Sophia Univ.	Survey of Quantum critical point in the bond-disordered quantum spin ladder system $IPA-Cu(Cl,Br)_3$	3	LTF	0	Refused
20081424	Takayuki Goto	Sophia Univ.	Survey of Quantum critical point in the bond-disordered quantum spin ladder system $IPA-Cu(Cl,Br)_3$	3	GPS	0	Refused
20081422	Hubertus Luetkens	PSI	Magnetic Properties of Layered Co Based Perovskites	6	GPS	4	Approved
20081472	Hubertus Luetkens	PSI	Magnetic Properties of Layered Co Based Perovskites	6	Dolly	5	Approved
20081427	Alan J Drew	Queen Mary and Westfield College	Using pentacene and pentacene derivatives to investigate organic charge carrier transport mechanisms.	10	Dolly	7	Approved

BVRA-2009 list of PSI μ SR Experiments

PROP. ID	PROPOSER	Institute	Title	DAYS REQ.	INSTR.	DAYS ALLOC.	Status
Continuations							
20081428	Alan J Drew	Queen Mary and Westfield College	Using pentacene and pentacene derivatives to investigate organic charge carrier transport mechanisms.	5	GPS	2	Approved
20081429	Antheunis de Visser	Univ. Amsterdam	Response of weak itinerant magnetism in UCoGe to pressure	8	GPD	8	Approved
20081449	Isao Watanabe	KEK	μ SR Investigation of the Spin Dynamics of Central Metal Ions Fe of Hemeproteins	8	ALC	8	Approved
20081453	Isao Watanabe	KEK	Pressure Effect on the Dynamics of Stripes in $\text{La}_{2-x}\text{Sr}_x\text{Cu}_{1-x}\text{Zn}_x\text{O}_4$ and $\text{La}_{2-x}\text{Sr}_x\text{Cu}_{1-x}\text{Ni}_x\text{O}_4$	12	GPD	4	Approved
20081459	Hubertus Luetkens	PSI	Magnetic and Superconducting Properties of Electron-Doped $\text{La}_{2-x}\text{Ce}_x\text{CuO}_4$ Epitaxial Thin Film and Bulk Samples	5	GPS	2	Approved
20081478	Hubertus Luetkens	PSI	Magnetic and Superconducting Properties of Electron-Doped $\text{La}_{2-x}\text{Ce}_x\text{CuO}_4$ Epitaxial Thin Film and Bulk Samples	5	Dolly	4	Approved
20081479	Hubertus Luetkens	PSI	Magnetic and Superconducting Properties of Electron-Doped $\text{La}_{2-x}\text{Ce}_x\text{CuO}_4$ Epitaxial Thin Film and Bulk Samples	10	LEM	5	Approved
20081486	Jochen Litterst	Techn. Univ. Braunschweig	Magnetic Properties of the Diamond Spin Chain Azurite	5	LTF	3	Approved
20081489	Hans-Henning Klauss	Techn. Univ. Dresden	Magnetic and Superconducting Properties of $(\text{Sr},\text{Ba},\text{Eu})\text{Fe}_{2-x}(\text{Co},\text{Rh},\text{Ru})_x\text{As}_2$ Iron Pnictides	7	GPS	3	Approved
20081492	Hans-Henning Klauss	Techn. Univ. Dresden	Magnetic and Superconducting Properties of $(\text{Sr},\text{Ba},\text{Eu})\text{Fe}_{2-x}(\text{Co},\text{Rh},\text{Ru})_x\text{As}_2$ Iron Pnictides	6	Dolly	5	Approved
20081493	Hans-Henning Klauss	Techn. Univ. Dresden	Magnetic and Superconducting Properties of $(\text{Sr},\text{Ba},\text{Eu})\text{Fe}_{2-x}(\text{Co},\text{Rh},\text{Ru})_x\text{As}_2$ Iron Pnictides	28	GPD	16	Approved

BVRA-2009 list of PSI μ SR Experiments

PROP. ID	PROPOSER	Institute	Title	DAYS REQ.	INSTR.	DAYS ALLOC.	Status
Continuations							
20081496	Joao Pedro P. P. Duarte	Univ. of Coimbra	MuSR in organic semiconductors for spin-transport applications	3	GPS	2	Approved
20081497	Joao Pedro P. P. Duarte	Univ. of Coimbra	MuSR in organic semiconductors for spin-transport applications	3	LTF	2	Approved
20081503	Hubertus Luetkens	PSI	Magnetic and Superconducting Properties of Iron Pnictides	8	GPS	3	Approved
20081505	Hubertus Luetkens	PSI	Magnetic and Superconducting Properties of Iron Pnictides	6	Dolly	5	Approved
20081506	Hubertus Luetkens	PSI	Magnetic and Superconducting Properties of Iron Pnictides	4	LTF	3	Approved
20081507	Hubertus Luetkens	PSI	Magnetic and Superconducting Properties of Iron Pnictides	8	GPD	6	Approved
20081508	Hubertus Luetkens	PSI	Magnetic and Superconducting Properties of Iron Pnictides	7	LEM	5	Approved
LEM2008-05	Rustem Khasanov	PSI	Studies of the magnetic field penetration depth in YBCO crystals	5	LEM	5	Approved